

Amendments to the Claims

81
Claim 1 (currently amended): A device for forming an image on a printing plate, comprising:

at least one semiconductor laser being supplied with a current using DC and AC components, being operated in multimode, being mode coupled and emitting laser radiation having ultra-short pulses with a duration of less than 1 ns; and

an optical system for forming an image of the radiation from the laser on the printing plate.

Claims 2-4 (cancelled).

Claim 5 (original): The device for forming an image on a printing plate according to claim 1, wherein said one laser is an individual diode laser for generating the laser radiation.

Claim 6 (original): The device for forming an image on a printing plate according to claim 1, wherein said at least one laser is a diode laser array for generating the laser radiation.

Claim 7 (original): The device for forming an image on a printing plate according to claim 6, wherein said diode laser

B1
Ant
array comprises individually drivable single-strip diode lasers.

Claim 8 (original): The device for forming an image on a printing plate according to claim 1, including a control arrangement for temperature regulation of the laser.

Claim 9 (original): The device for forming an image on a printing plate according to claim 1, wherein said optical system for forming an image of the radiation on the printing plate has reflective elements.

Claim 10 (original): The device for forming an image on a printing plate according to claim 1, wherein said optical system has micro-optical elements.

Claim 11 (currently amended): The device for forming an image on a printing plate according to claim 4 1, wherein said dc-component is able to be modulated.

claim 12 (currently amended): A printing unit, having at least one device for forming an image on a printing plate, comprising:

at least one semiconductor laser being supplied with a current using DC and AC components, being operated in multimode, being

B1
Ant
mode coupled and emitting laser radiation having ultra-short pulses with a duration of less than 1 ns; and

an optical system for forming an image of the radiation from the laser on the printing plate.

Claim 13 (currently amended): A printing machine having at least one printing unit, comprising:

at least one semiconductor laser being supplied with a current using DC and AC components, being operated in multimode, being mode coupled and emitting laser radiation having ultra-short pulses with a duration of less than 1 ns; and

an optical system for forming an image of the radiation from the laser on the printing plate.
